

Zimberelimab

Chemical Properties

CAS No. :	2259860-24-5
Formula:	
Molecular Weight:	146.54 kDa
Storage:	Store at low temperature -20°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Zimberelimab (GLS-010) is a humanized monoclonal antibody targeting PD-1, with antitumor activity. It blocks the interaction between PD-L1, PD-L2, and PD-1 on the cell surface, and is used in studies of cervical cancer and non-small cell lung cancer.
Targets(IC50)	PD-1/PD-L1
In vitro	Zimberelimab is a fully human IgG4 anti-PD-1 monoclonal antibody with an EC50 of 210 pM for human PD-1. Zimberelimab can effectively block the binding of PD-L1 and PD-L2 to PD-1 on the cell surface in CHO-S cells, with IC50 values of 580 pM and 670 pM, respectively. [1] The equilibrium dissociation constant (KD) between Zimberelimab and PD-1 is 1.75×10 ⁻¹⁰ M. [2]
In vivo	Zimberelimab showed a statistically significant antitumor effect in the MC38 model of human PD-1 knock-in mice. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0341 mL	0.0682 mL
5 mM	0.0014 mL	0.0068 mL	0.0136 mL
10 mM	0.0007 mL	0.0034 mL	0.0068 mL
50 mM	0.0001 mL	0.0007 mL	0.0014 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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